

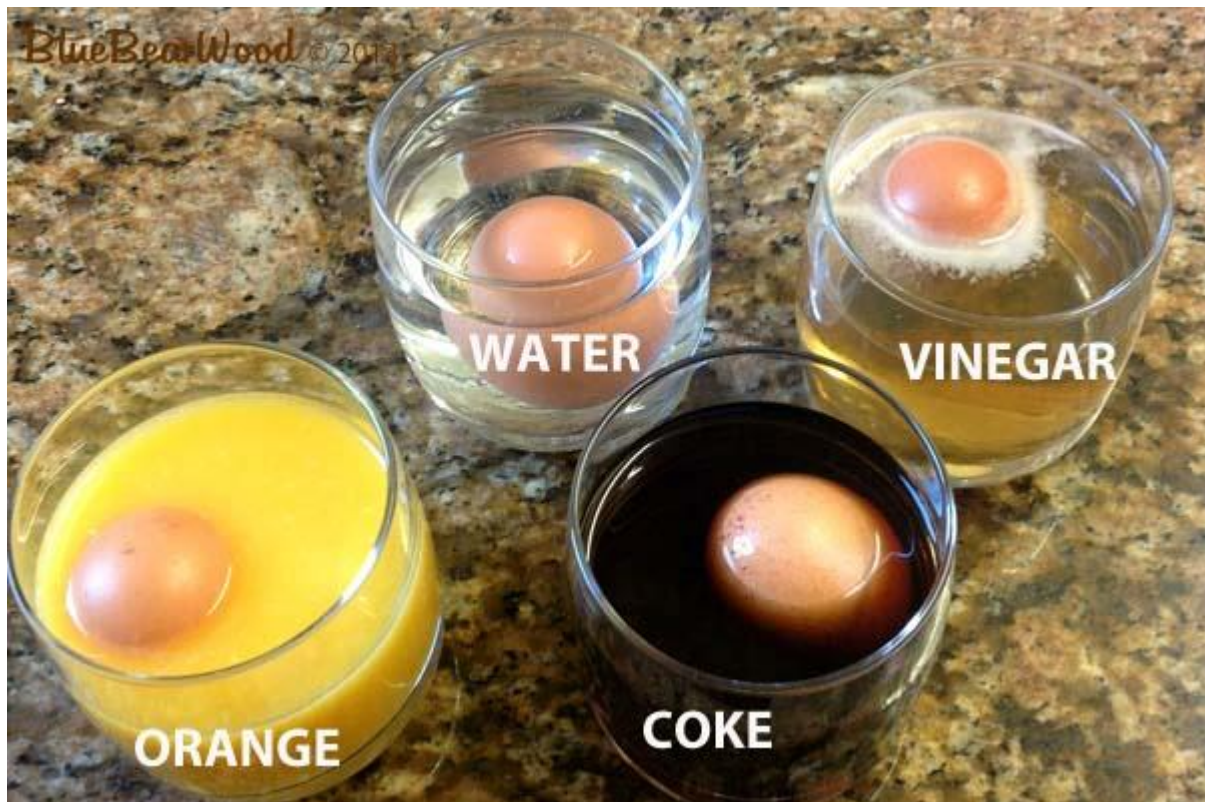
# Egg Shell Science Experiment

## Information

We are going to use some eggs to find out which drinks are best and worst for our teeth! We will put some eggs into cups of different liquids and see what happens to the eggs' shells. Egg shells behave in a very similar way to our teeth. If the drink is bad for your teeth, the eggshell will rot away. This is called 'decay' and it happens to our teeth when we drink things that are bad for us.

## **Step 1 - Prediction**

In your purple books, write the title 'Prediction' and complete these sentences using the picture below. Please add more detail and reasons for your prediction if you can!



I think that \_\_\_\_\_ will be the worst for your teeth because...  
The egg shell will...

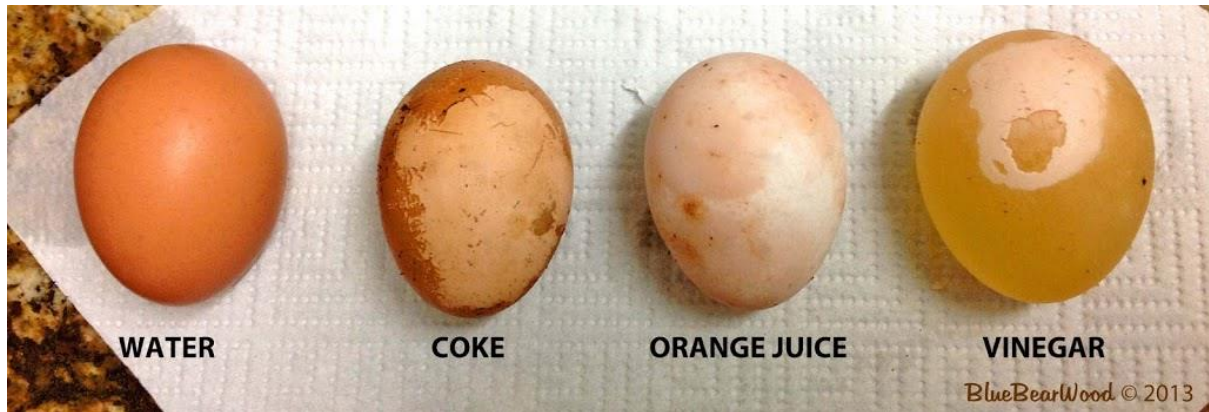
I think that \_\_\_ will be best for your teeth because...  
The egg shell will...

**Miss Daniel says:**

**“NO SPOILERS!! Do not scroll down until you have made your prediction!!”**

## Step 2 - Results

In your purple books, write the title 'Results' and describe what you see! This is the eggs after being soaked in the liquids for 24 hours. What has happened to them? Which eggshells have decayed the most and least? Why do you think this is?



## Step 3 - Conclusion

In your purple books, write the title 'Conclusion'. Write a short paragraph saying what you have found out from the experiment, for example:

- Why did the eggshell in vinegar decay the most? (Hint: acid)
- Were you surprised by any of the results? (e.g. the orange juice!)
- Why do you think the Coke and juice decayed the eggshell so much? (Hint: sugars)
- What have you learnt from this? (e.g. will you be careful what you drink?)
- How can you make sure your own teeth are protected from decay like this?